

STEM Applied Learning Programme

Lesson Outline

STEM Theme	Applied Health Sciences
Module	3 (Pharmacology)
Total Hours	18

No.	Topic
1	Introduction to Pharmacology
2	Dissolution rate of different brands of painkillers
3	Making your own alginate hydrogels
4	The biology and chemistry of gas relief
5	Which antacid can neutralise most stomach acid
6	Determine the thickness of tablet coating
7	Digestion simulation-How soluble are the tablets based on the thickness of the coating
8	Cost of a mistake?
9	Titration –to find out the concentration of the solutions
10	Project- Developing new markets
11	Project- Develop a tablet coating